In the Claims:

1. (Original) A method of forwarding a packet to a destination comprising:

examining a header of said packet to determine a private destination address;

determining a private address of a private remote sub-endpoint of a tunnel, said private sub-endpoint being associated with said private destination address:

determining a public address of a public remote sub-endpoint of said tunnel;

encapsulating said packet, resulting in an encapsulated packet, to indicate a public address of a public local sub-endpoint of said tunnel as a source address and said public address of said public remote sub-endpoint of said tunnel as a destination address; and

forwarding said encapsulated packet to a node in a carrier network.

2. (Currently Amended) The method of claim 1 wherein said tunnel is a point to a multipoint tunnel.

3. (Previously Presented) The method of claim 1 wherein said determining said private address of said private remote sub-endpoint of said tunnel comprises consulting a routing table to discover an address associated with said private destination address of said packet.

4. (Previously Presented) The method of claim 1 wherein said determining said public address of said public remote sub-endpoint of said tunnel comprises consulting a static address resolution protocol table to discover an address associated with said private address of said private remote sub-endpoint of said tunnel.

5. (Original) The method of claim 1 further comprising determining a private address of a first local sub-endpoint of said tunnel.

6. (Previously Presented) The method of claim 5 wherein said determining said private address of said first local sub-endpoint of said tunnel comprises consulting a forwarding table to discover an address associated with said private address of said private remote sub-endpoint of said tunnel.

7.   (Cancelled).

8.   (Original) A carrier router comprising:

a private network interface;

a public network interface;

a processor operable to:

receive a packet at said private network interface;

examine a header of said packet to determine a private destination address;

determine a private address of a private remote sub-endpoint of a tunnel, said private sub end-point being associated with said private destination address;

determine a public address of a public remote sub-endpoint of said tunnel;

encapsulate said packet, resulting in an encapsulated packet, to indicate a public address of a public local sub-endpoint of said tunnel as a source address and said public address of said public remote sub-endpoint of said tunnel as a destination address; and

forward said encapsulated packet to a node in a public network via said public network interface.

9.   (Previously Presented) A computer readable medium containing computer executable instructions which, when performed by a processor in a carrier router, cause the processor to:

examine a header of a packet to determine a private destination address;

determine a private address of a private remote sub-endpoint of a tunnel, said private sub-endpoint being associated with said private destination address;

determine a public address of a public remote sub-endpoint of said tunnel;

encapsulate said packet, resulting in an encapsulated packet, to indicate a public address of a public local sub-endpoint of said tunnel as a source address and said public address of said public remote sub-endpoint of said tunnel as a destination address; and

forward said encapsulated packet to a node in a carrier network.

10-16. (Cancelled).

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